



18 – 20 March 2021
Hall in Tirol, Austria

3-DAY CERTIFIED UNIVERSITY COURSE

Registration Fee

- **Course fee academic/public**Euro 1,450
Early booking fee until 12 February 2021 Euro 950
- **Course fee commercial**Euro 2,950
Early booking fee until 12 February 2021 Euro 2,450

▪ Discounts

Group Registrations – Save 15 %

Register with three or more colleagues and save!

Alumni – Save 20 %

UMIT TIROL Alumni or if you have previously participated in a Continuing Education Program Course on HTADS, you are eligible for a discount on this course.

Course fee includes course materials and course certificate. Certificates will be provided to all participants. You can earn 5 ECTS credits if you successfully complete the online exercises and actively participate during the attendance period of the course.

Registration for this course can be made online.

Payment details and cancellation policy are available on www.umat-tirol.at/htads

Contact & Course Location

**Continuing Education Program on
HTA & Decision Sciences (HTADS)**

**Institute of Public Health, Medical Decision
Making and HTA**

**UMIT – University for Health Sciences,
Medical Informatics and Technology**

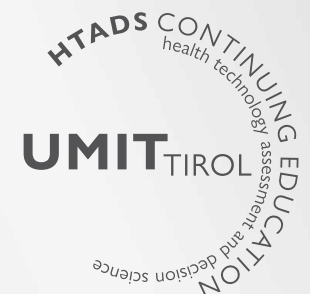
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Advanced Systematic Reviews and Meta-Analysis

online



What is the Continuing Education Program on Health Technology Assessment & Decision Sciences (HTADS)?

Prof. Uwe Siebert, MD, MPH, MSc, ScD
HTADS Program Director

Health Technology Assessment (HTA)

has been defined by the International Network of Agencies for HTA (INAHTA) as “a multidisciplinary field of policy analysis studying the medical, economic, social, and ethical implications of development, diffusion and use of health technologies (e.g., drugs, devices, surgical procedures, prevention techniques)”. In conducting HTA, the discipline of decision sciences has become increasingly relevant.

Decision Science (DS)

is the application of explicit and quantitative methods to analyze decisions under conditions of uncertainty (e.g., meta-analysis, decision-analytic modeling, cost-effectiveness analysis). In recent years, HTA and DS have become very important to health care policymakers. In order to keep pace with these developments, the UMIT TIROL – HTADS Program was designed to provide excellent quality education and comprehensive training in the key issues of HTA and DS for anyone involved in the health sector. The course faculty is drawn from leading international experts from universities, industry, HTA agencies and representatives from other relevant areas who are committed to provide independent teaching of state-of-the-art principles.

Further HTADS Courses

Autumn School in Clinical Epidemiology

5-Day Certified University Course, 13 – 17 September 2021

Modeling Approaches for HTA: A Practical Hands-on Workshop

3-Day Certified University Course, September 2021

Scientific Reporting and Writing – ONLINE

3-Day Certified University Course, 15 – 17 November 2021

Introduction to Statistics – An Applied 3-Day Hands-on Workshop with R

3-Day Certified University Course, 23 – 25 November 2021

Causal Inference for Assessing Effectiveness in Real World Data and Clinical Trials – ONLINE

5-Day Certified University Course, Spring 2022



Course Faculty

Prof. Daniela Schmid, PhD, MSc

Head, Division for Quantitative Methods in Public Health and Health Services Research, Department of Public Health, Health Services Research and HTA, UMIT – University for Health Sciences, Medical Informatics and Technology, Hall i.T., Austria

Lisa M. Hess, PhD, MSc

Research Advisor, Global Patient Outcomes, Eli Lilly and Company/ Indiana University, USA

Alan Brnabic, MSc

Chair of the Australian Pharmaceutical Biostatistics Group, Principal Research Statistician, Real-world Analytics, Eli Lilly and Company, USA

Marjan Arvandi, PhD, MSc

Senior Scientist, Institute of Public Health, Medical Decision Making and HTA, Department of Public Health, Health Services Research and HTA, UMIT – University for Health Sciences, Medical Informatics and Technology, Hall i.T., Austria

Lukas Schwingshackl, PhD, MSc

Senior Researcher, Institute for Evidence in Medicine, Faculty of Medicine and Medical Center, University of Freiburg, Freiburg, Germany, Cochrane Germany, Cochrane Germany Foundation, Freiburg, Germany

Thomas A. Trikalinos, PhD, MD

Professor of Health Services, Policy and Practice and Biostatistics
Director of the Center for Evidence Synthesis in Health,
Brown University School of Public Health, USA

Target Audience

The three-day virtual meta-analysis course for health professionals is designed to provide an introduction to advanced methods for conducting systematic reviews and meta-analyses. Topics covered include frequentist and Bayesian meta-analysis, meta-regression, subgroup analyses, and methods to investigate heterogeneity, as well as methods for diagnostic accuracy and network meta-analysis, and the role of meta-analysis in clinical guideline development, HTA and decision making. The course will be interactive and practical, with a mixture of lectures and hands-on tutorials. Computer exercises will be conducted.

Course Description

The overall aims of this course are to enable participants:

- To learn the steps in developing a meta-analysis, including hypothesis generation, data extraction, and validation
- To develop and implement an analysis plan, including determining the outcome and effect measure to be used, selecting between fixed and random effects models, assessing heterogeneity, bias, and study quality
- To understand differences between Bayesian and frequentist approaches and to be able to select the appropriate method
- To understand the principles of indirect treatment comparisons and to carry out network meta-analysis
- To understand the principles of combining diagnostic test accuracy and conduct meta-analysis of diagnostic studies
- To review the required elements for publication of a meta-analysis.
- To evaluate the role of meta-analysis in health technology assessment

There are no pre-requisites for this course.

Course language is English. Both native and non-native English speakers are welcome.